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Imagery analysis report

New Probable Motor Production Area Kamensk-Shakhtinskiy, USSR (S)

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NEW PROBABLE MOTOR PRODUCTION AREA, KAMENSK-SHAKHTINSKIY, USSR (S)

1. (S/D) A new probable motor production area has been under construction at Kamensk-Shakhtinskiy Solid Motor Production Plant [] USSR. The new area, which will be fence enclosed, is outside the west wall of the plant (Figure 1) and will increase the size of the plant by nearly 50 percent. When operational, this area will probably support series production of motors for one or more new missile systems. 25X1

2. (S/D) Construction was first observed in the new area in September 1980, when an excavation was observed adjacent to the southwest corner of the plant. By [] grading was underway for a security fence to enclose a large area west of the plant. Also on [] footings were being emplaced in the excavation for a nine-bay possible curing building at least 54 by 24 meters. The pattern of the footings suggests that each of the nine bays will be approximately 6 meters wide. Massive trough-like structures have been emplaced in six of the bays (Figure 2). These structures may be the subfloor for future rail-served bays. Subsequent [] revealed minor changes, including the excavation of drainage ditches and the emplacement of drainpipes. 25X1
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3. (S/D) The footing pattern for the nine-bay building is similar to that of a multibay probable curing building (Figure 3) at Pavlograd Solid Motor Production Plant []. The building at Pavlograd was in the midstage of construction in September 1980. It has nine bays; six appear to be drive through, and three are enclosed on at least one end. The building is approximately 52 by 31 meters. The six drive-through bays are approximately [] and the three other bays 31 by 5 meters. 25X1
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4. (S/D) The building at Pavlograd is in a new motor production area which is under construction and includes a casting/curing building, a propellant mixing building, and six other major buildings. A special railway for a bay-charger is under construction along the southwest edge of the new motor production area.

5. (S/D) A casting/curing building and a propellant mixing building in a recently completed new motor production area at Kamensk-Shakhtinskiy (Figure 1) are nearly identical to two buildings under construction at Pavlograd. However, the inner diameter of the casting pit inside the casting/curing buildings is [] at Kamensk-Shakhtinskiy versus [] at Pavlograd. Construction was started on the casting/curing buildings at both plants in 1978. Also at Kamensk-Shakhtinskiy are a probable motor finishing building and a four-bay motor/component storage building, neither of which is present at Pavlograd. 25X1

6. (S/D) In recent years, there have been several additions and modifications to the Kamensk-Shakhtinskiy Plant that may be related to the present construction. Changes since 1976 include: the conversion of one of the mixing buildings to a probable casting building between 1976 and 1979, the construction of the new motor production area between 1977 and 1981, the addition of four curing bays to existing curing buildings in 1980-1981, and the addition of another bay to the case preparation building in 1980.

7. (S/D) The similarity of the new motor production buildings may indicate the introduction of the same motor production technology into both plants at the same time. Within two years the Pavlograd complex will probably have the capacity to produce and assemble entire missiles. This will include a partially complete new motor case production facility, a nearly complete new motor production area, and a much enlarged final assembly area. The new motor production area at Kamensk-Shakhtinskiy will probably not be complete until 1984. It generally takes two or three years to complete a major motor production building and from three to four years to complete a major motor production area.

(S) Comments and queries regarding this report are welcome. They may be directed to [] Soviet Strategic Forces Division, Imagery Exploitation Group, NPIC, [] 25X1
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